PowerShot A400
Digital Still Camera

Affordable, class leading features and style.

Key Selling Features

- 3.2 Megapixel.
- Retractable Canon 2.2x optical zoom lens.
- Movie recording and playback with sound.
- DiG!C Imaging Processor delivers superior digital photos.
- Print/Share* button allows easy 'one push' printing and downloading of images.

Short Description

The PowerShot A400 brings style, features and affordability to digital still photography. Capable of capturing images that will produce superb prints up to A4 size, thanks to a high resolution 3.2MP sensor and Canon 2.2x optical zoom lens. While Canon's intuitive DiG!C processor delivers superior picture quality, and fast processing speed. Clever features including movie recording with audio and 8 handy pre-set shooting modes combine in a metallic, pocket-size body – perfect for any occasion.

Leading Technology

- High resolution 3.2 Megapixel CCD delivers photo quality prints up to A4 size.
- Sleek, streamlined capsule design with 2.2x retractable Canon zoom lens.
- Selectable 9-point AiAF and 1 point AF for precise focusing in any shooting conditions.
- Quick Shot function ensures no missed shots.

Simple to operate, fun to use

- Postcard date imprint mode – perfect, dated postcard prints for those on the go. (CP printers only)
- ID Photo Print allows easy production of ID images for passport and other ID uses while CP Movie Print allows direct printing of a series of still images from a recorded movie. (CP printers only)
- Record sound memos up to 60 seconds long as well as movie recording with audio.
- USB plug and play computer connectivity with auto application loading software for trouble free transferring, printing and image storage.

Superb image quality

- 8 pre-set modes including; portrait, night scene, foliage, snow, beach, fireworks, underwater and indoor ensure perfect shots in almost any conditions.
- Fast DiG!C Image Processor delivers improved picture quality, AF accuracy and processing speed, leading to longer battery life and superior camera performance.
- 7 position white balance allows precise and customisable white balance calculation.
- Selectable sensitivity from ISO 50/100/200/400 – like having different ISO film loaded at once.

Canon Connectivity

- Print/Share* Button allows 'one push' printing/downloading of images straight from the camera.
- Direct photo printing with Canon direct printers and other PictBridge compatible models.
- Supports industry standard Exif 2.2 tagging for superior print image processing.
- Canon's complete image management software suite for fast and easy download, display, email and printing of images, creating panoramic pictures and computer controlled image capture and storage.
- Picture transfer protocol supports driver-less image transfer, viewing and deletion between camera and computer with newer operating systems. (Windows XP or Mac OS X v 10.1, 10.2, 10.3)

*Compatible printer required for Direct Printing. Compatible Windows computer required for direct download.

Standard Accessories and Software

- Wrist Strap WS-200, 2 x AA Alkaline Batteries, AV Cable AVC-DC300, USB Interface Cable IFC-400PCU, 16MB SD Card, Software Starter Guide, Camera User Guide, Quick Start Guide, Direct Print User Guide.
- Canon Digital Camera Solution Disc - ZoomBrowser EX (Win), Canon ImageBrowser (Mac), PhotoStitch, Remote Capture), Drivers (PC/Mac).
- ArcSoft Camera Suite Disc.

Optional Accessories

- CBK4-200 Battery Charger Kit (Contains charger and 4 x AA Batteries)
- AC Adaptor Kit ACK-800 (contains CA-PS800)
- NiMH Pack NB4-200
- Soft Case SC-PS900
- Metallic Neck Strap
- Interface Cable IFC-400PCU
- AV Cable AVC-DC300
- Canon Compact Photo printers and Bubble Jet Direct printers.

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Canon PowerShot A400 Specifications

CCD		
Size	1/3.2 inch	
Effective Number of Pixels	Approx. 3.2 MP	
Total Number of Pixels	Approx. 3.3 MP	
Filter Array	Primary colour filter (Bayer)	
Image Processor		
Processor	DiG!C	
Lens		
Focal Length (optical)	5.9 (W) - 13.2 (T) mm	
35mm film equivalent	45 (W) – 100 (T) mm	
Maximum Aperture	f/3.8 (W/T)	
f/number	f/3.8 (W/T), f/5.6 (W/T)	
Shutter Speed	1 - 1/1500 sec.	
Sensitivity (Equivalent Film Speed)	Auto / ISO 50 /100 / 200 / 400 equivalent	
Construction	9 elements in 7 groups	
Optical Zoom	Approx. 2.2x	
Digital Zoom	Approx. 3.2x	
Focusing Method	9-point AiAF/1-point AF* *Focusing frame is centre fixed	
Focusing Range	Normal	47 cm – infinity
	Macro	5 – 47 cm (W), 30 – 47 cm (T)
Control/Balance		
Light Metering Method	Evaluative / Centre-weighted average / Spot (Metering frame when Spot is centre fixed)	
Exposure Control Method	Program AE	
Exposure Compensation	± 2 stops in 1/3-stop increments	
White Balance Control	TTL White Balance	
White Balance Modes	Auto + Pre-set (Daylight / Cloudy / Tungsten / Fluorescent / Fluorescent H) + Custom	
LCD Monitor/Viewfinder		
Viewfinder	Real-image optical zoom	
LCD Monitor	1.5 inch Low-temperature polycrystalline silicon TFT colour LCD	
Flash		
Flash Modes	Auto*, On*, Off * Red-eye Reduction is available.	
Flash Range Normal [at ISO Auto equiv.]	47 cm –2.0 m (W/T) 30 – 47 cm (W/T) (macro)	
Selectable Shooting Modes		
Shooting Modes	Auto / Manual / Stitch Assist / Movie Special Scene: Portrait, Night Scene, Foliage, Snow, Beach, Fireworks, Underwater, Indoor	
Photo Effects Mode	Vivid / Neutral / Low sharpening / Sepia / Black & White	
Continuous Shooting		
Normal	Approx. 1.3 shots/sec. (shooting speed can be maintained up to 12 images)	
[Large/Fine mode, when LCD monitor is turned off]		
Image Recording Format		
Image File Format	Design rule for Camera File system, DPOF Version 1.1 compliant	
Still image	JPEG (Exif 2.2 compliant)	
Movie	AVI Image data: Motion JPEG	
Sound annotation/Audio Data	WAVE (monaural)	
JPEG Compression Levels	Superfine / Fine / Normal	
Recording Pixels		
Still Images	Large	2048 x 1536
	Medium 1	1600 x 1200
	Medium 2	1024 x 768
	Small	640 x 480
	Postcard Date Imprint	1600 x 1200 (compression is set to Fine)
Movie Images	Large (VGA)	640 x 480
	Medium (QVGA)	320 x 240
	Small (QQVGA)	160 x 120

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Still Image Storage Capacity (with supplied memory)

Large	Large/Super Fine 8 images
	Larger/Fine 15 images
	Large/Normal 30 images
Middle	Middle1/Super Fine 13 images
	Middle1/Fine 24 images
	Middle1/Normal 46 images
	Middle2/Super Fine 23 images
	Middle2/Fine 41 images
	Middle2/ Normal 73 images
Small	Small/Super Fine 51 images
	Small/Fine 80 images
	Small/ Normal 126 images

Movie Storage Capacity (with supplied memory)

Movie Large (VGA)	640 x 480 Approx. 20 sec. 10 fps [max. approx. 30 sec per recording]
Movie Middle (QVGA)	320 x 240 Approx. 40 sec. 15 fps [max. approx. 3 min per recording]
Movie Small (QQVGA)	160 x 120 Approx. 98 sec.15 fps [max. approx. 3 min per recording]
Frames per second	10 or 15 depending on resolution

Other Operations

Playback Operations	Single / Index (9 thumbnail images) / Slide Show / Movie Special Replay - Next frame, Previous frame, Fast forward, Rewind, First frame and Last frame / Magnify (2x – 10x) / auto vertical and horizontal image orientation with Intelligent Orientation Sensor / still histogram display.
File Operations	DPOF - Print Order/Image transfer, Movie - unnecessary scenes can be erased. Sound Memos - max. record/play time is approx. 60 sec.
Direct Printing	Yes
PictBridge	Yes
Print/Share Button	Yes
ID Photo Print	Yes (with compatible Canon Compact Photo printers)
Movie Print	Yes (with compatible Canon Compact Photo printers)
Camera Settings	Start-up image/ Start-up sound/ Shutter sound/ Operation sound and Self-timer sound (Creation of on-camera content)
Menu Languages	14 languages (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Chinese, Russian, Portuguese and Japanese)
Self-timer	Approx. 2 sec. or 10 sec. count-down.

Interface

Computer I/F	USB
Memory Storage	SD Memory card
Supplied Memory	16MB

Supported Operating Systems

PC	Windows 98 (including SE)/ME/2000/XP
Mac	OS 9.0 - 9.2, OS X (Version 10.1/10.2/10.3)

Inclusions

Software	Canon Digital Camera Solution Disc, Arcsoft Camera Suite Disc

Power Source

Battery	Size AA Alkaline battery (x2) or Size AA rechargeable NiMH battery (x2)
Optional Charger/AC Adaptor	CBK4-200 / AC Adaptor Kit ACK800 (contains CA-PS800)

Shooting Capacity (full charge)

LCD Monitor On	Approx. 300 shots by NB-2AH
LCD Monitor Off	Approx. 750 shots by NB-2AH
Replay	Approx 270 min. by NB-2AH

Operating Environment

Temperature	0 – 40 °C
Humidity	10 – 90 %
Dimensions (W x D x H)	107 x 36.8 x 53.4 mm (ex. protruding parts)
Weight	Approx. 165g (camera body only)

- All data based on Canon's Standard Test Method.
- Subject to change without notice.
- *Compatible printer required for Direct Printing. Compatible Windows computer required for direct download.

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